2. AWS Global Infrastructure

AWS Global Infrastructure

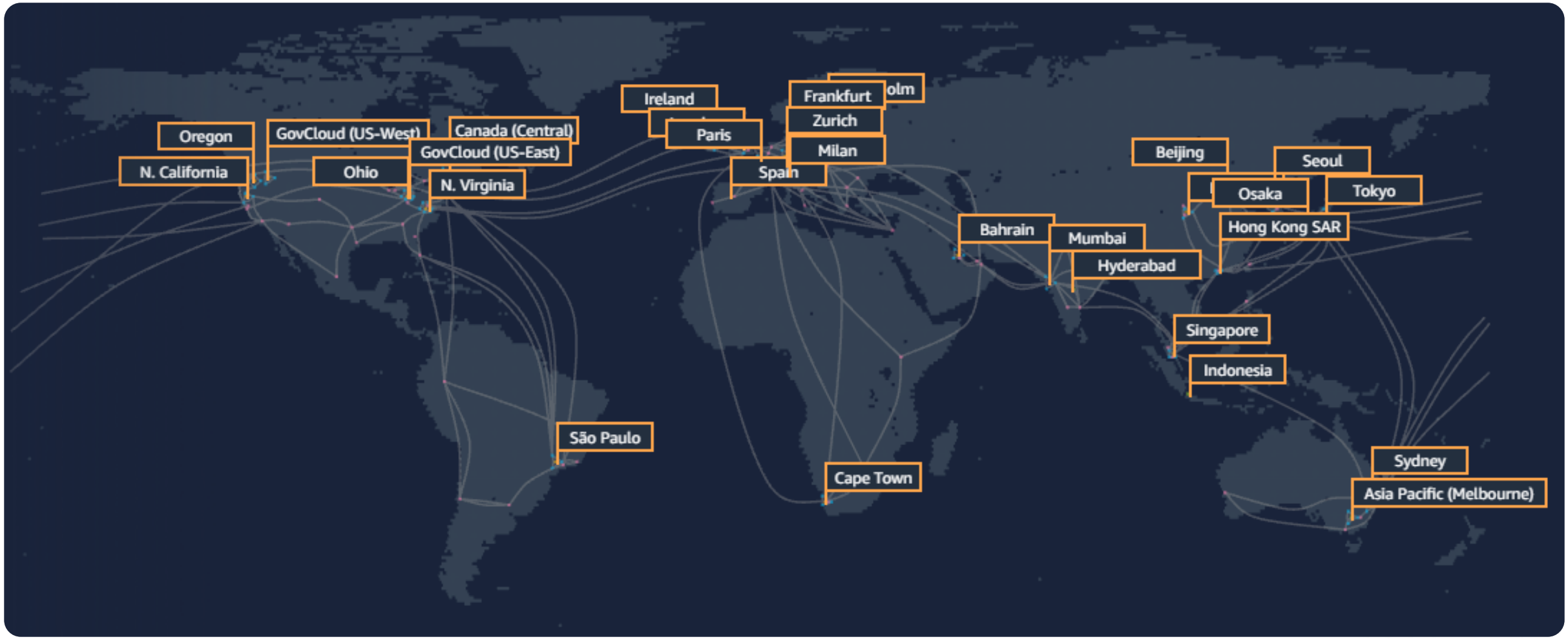
The AWS Cloud spans
99 Availability Zones within
31 geographic regions.*

AWS Global Infrastructure

3 D View

* As of 31-Jan-2023

AWS Global Infrastructure



https://aws.amazon.com/about-aws/global-infrastructure/

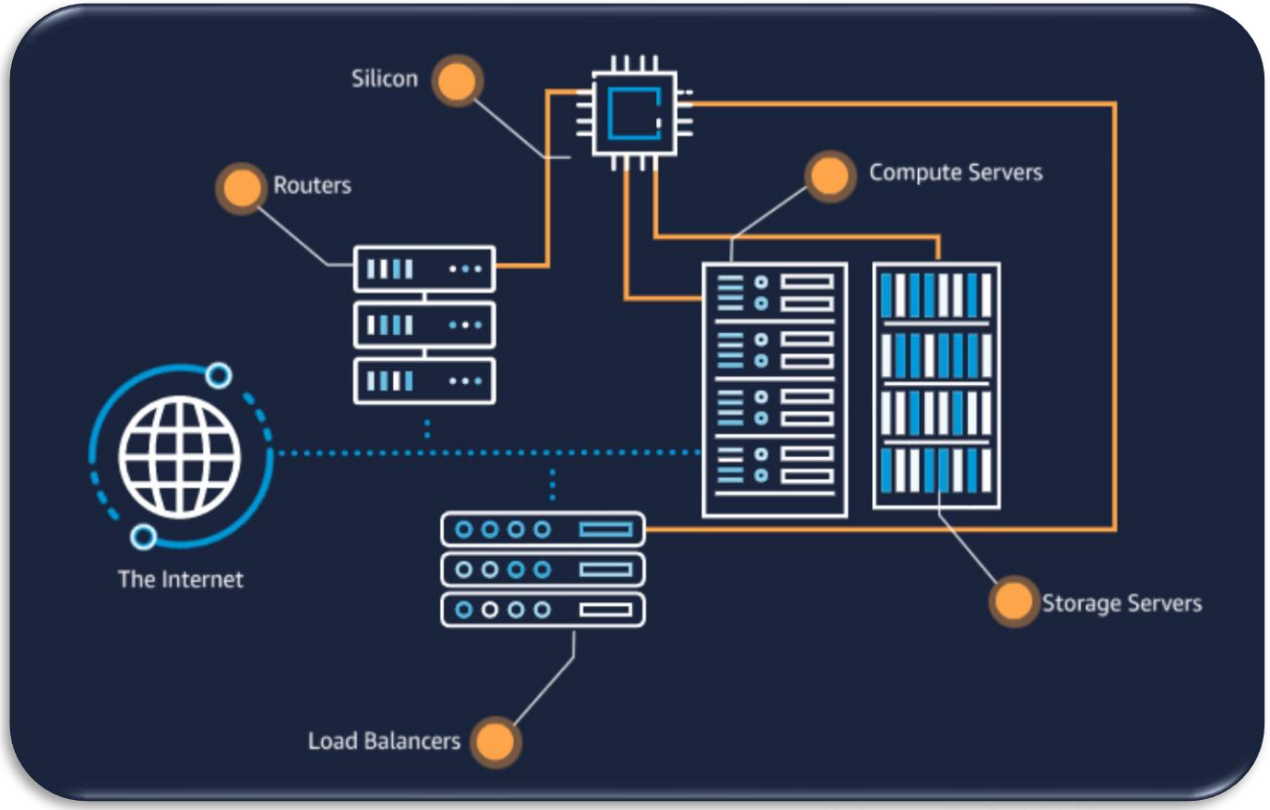
https://apps.kaonadn.net/5181491956940800/index.html

AWS Datacenter

Server Racks

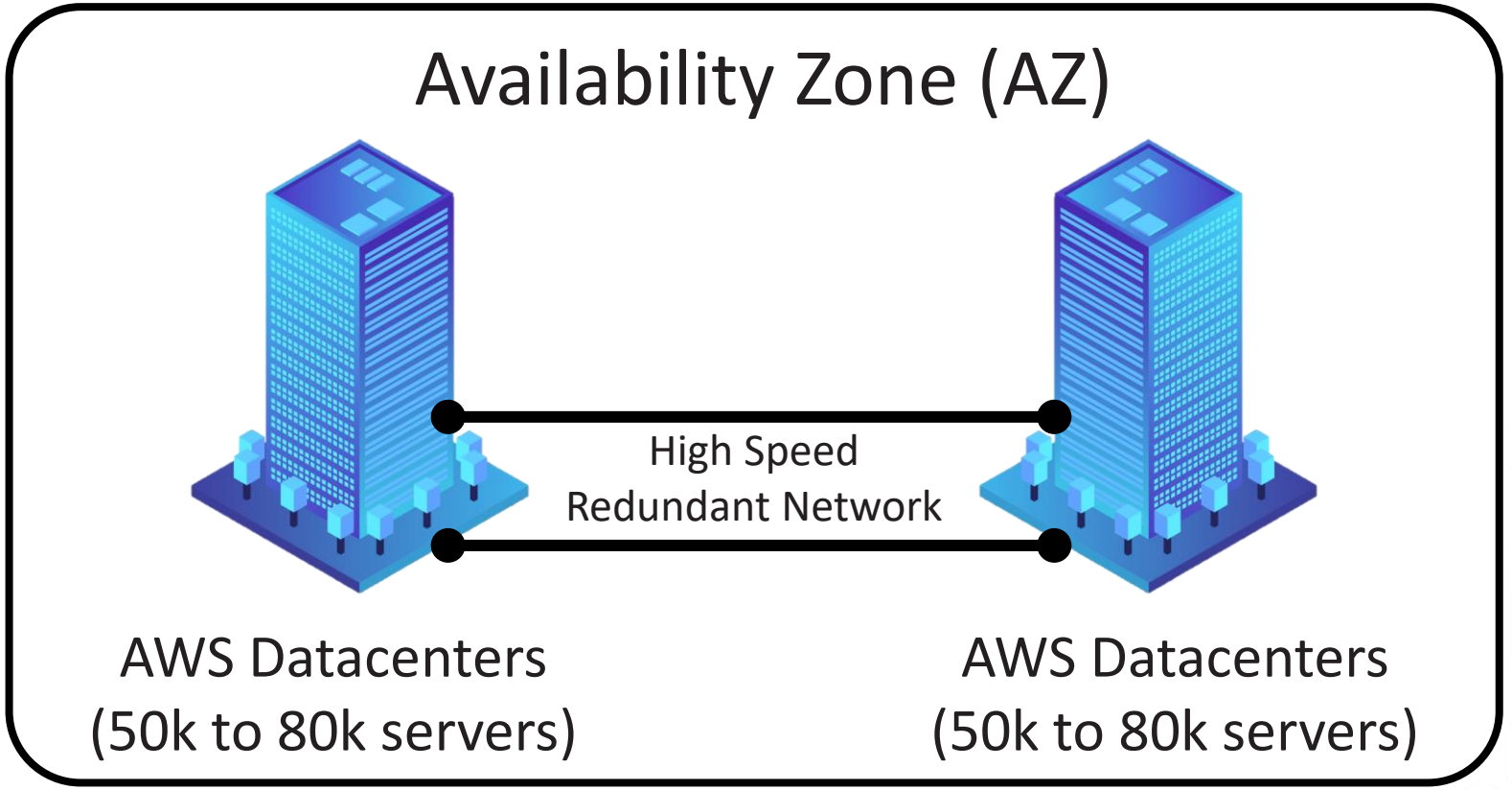
Datacenter

50k to 80k Servers and required components (e.g. storage/network)

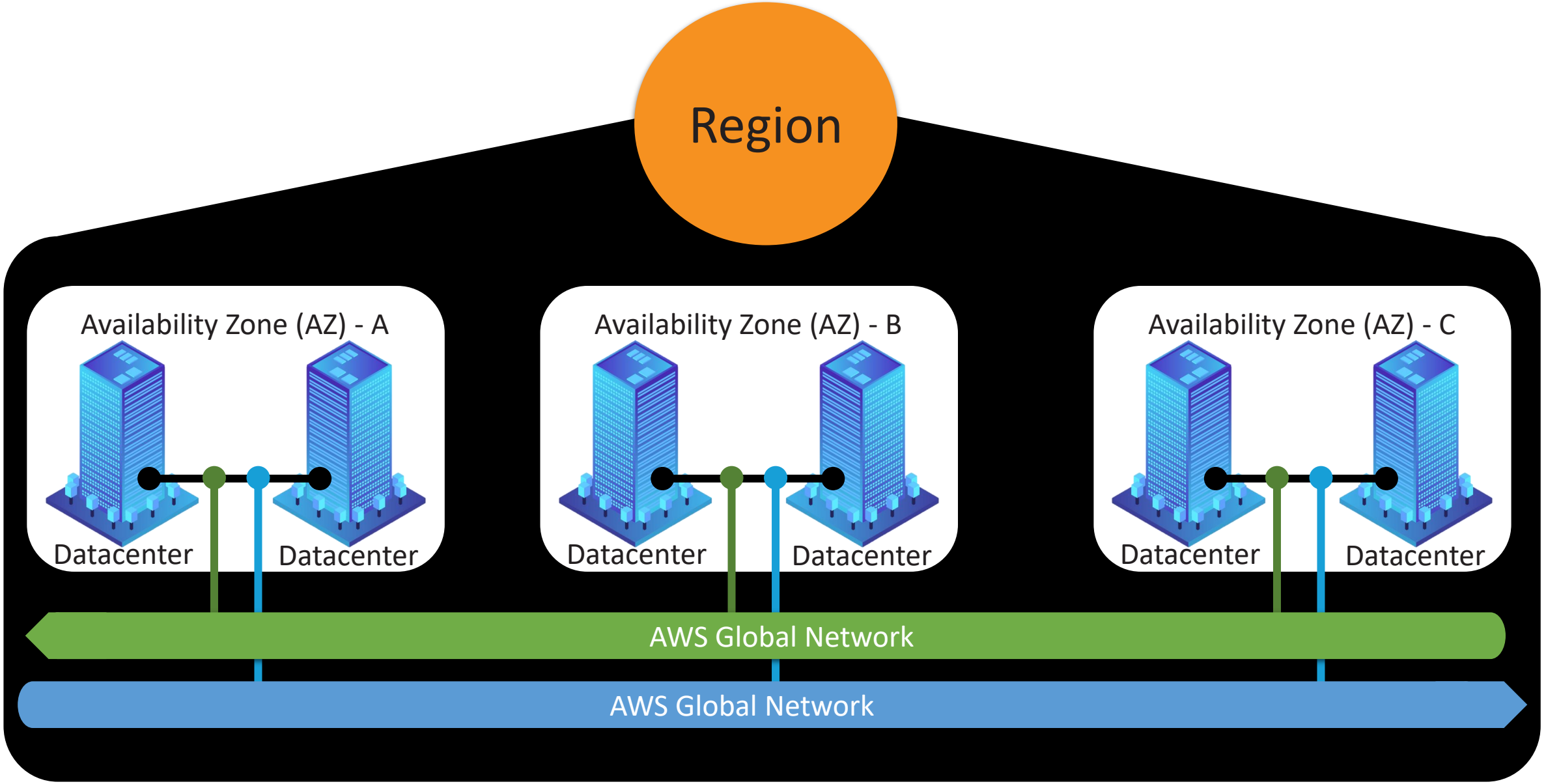


Availability Zone (AZ) – Group of Datacenters

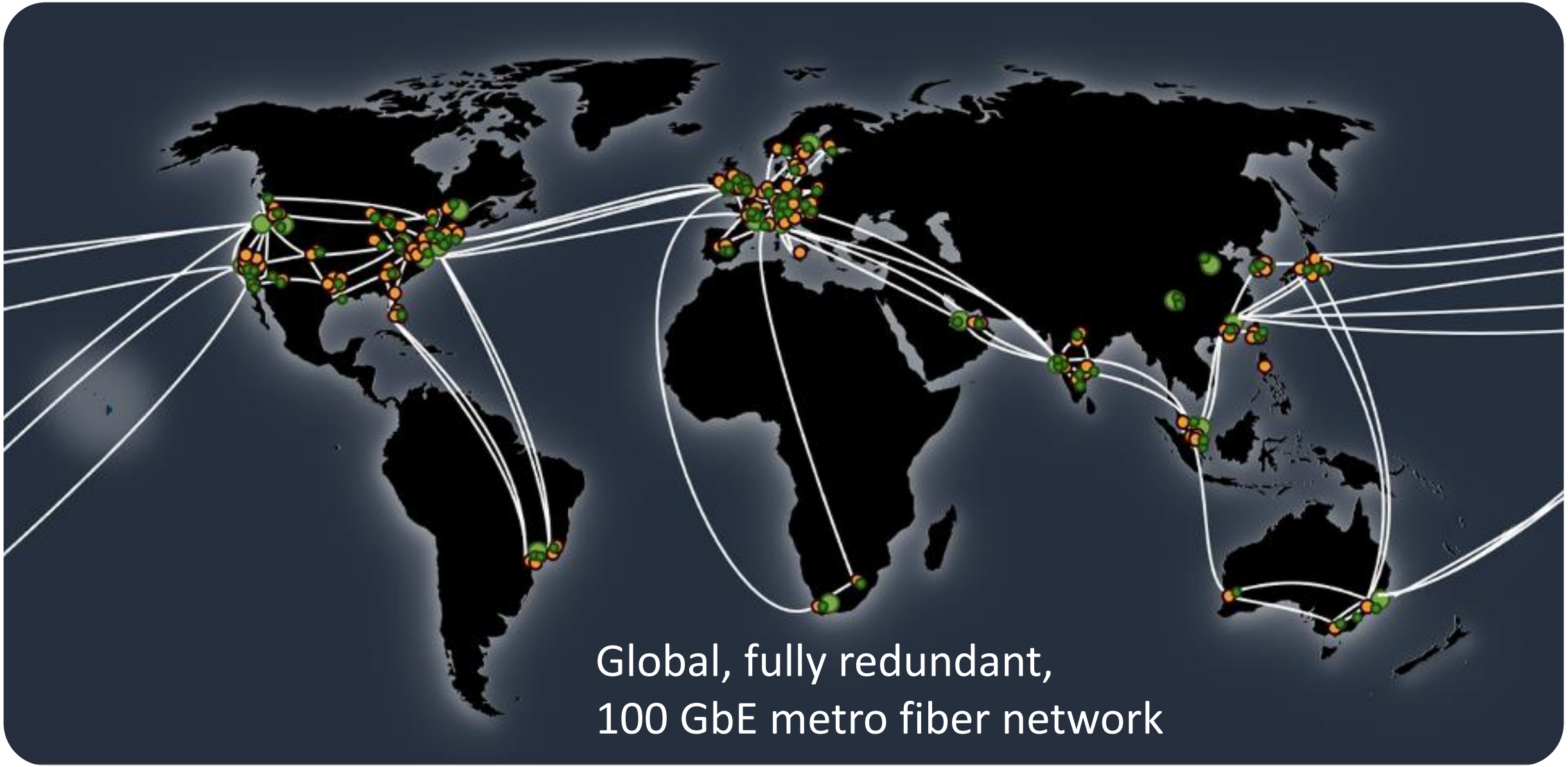
One or More than one Datacenters



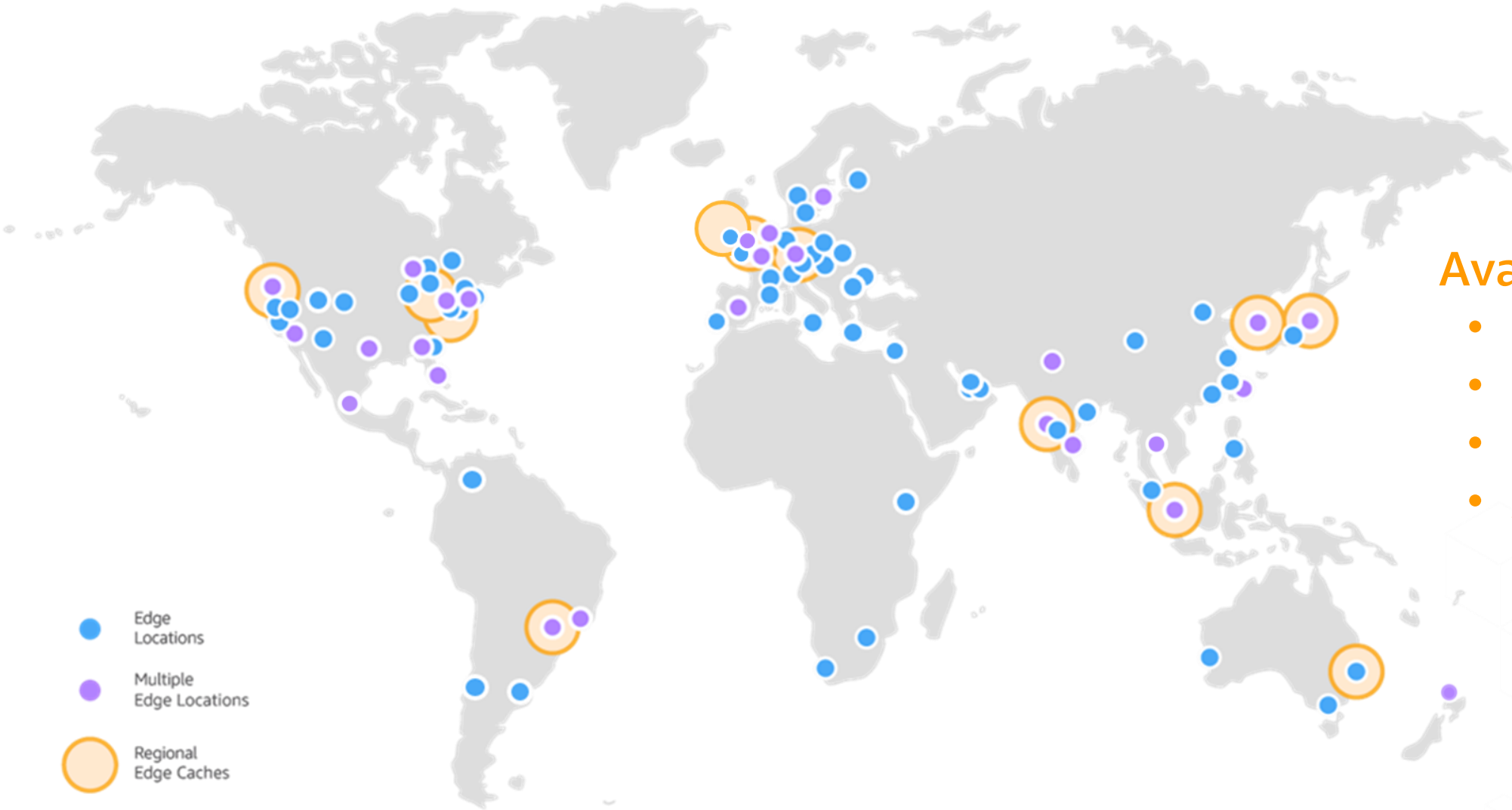
Region – Group of AZs



AWS Global Infrastructure network



400+ Edge Locations / Point of Presence (PoP)



Available Services

- Route 53
- CloudFront
- Lambda@Edge
- AWS WAF/Shield

Region Selection

Amazon Web Services

What?

- A subsidiary of Amazon which provides a broadly adopted cloud platform offering over 200 services
- In 2006, AWS began offering IT infrastructure services

Why?

- Trade capital expense for variable expense
- Benefit from massive economies of scale
- Stop guessing about capacity
- Increase speed and agility
- Focus on what matters
- Go global in minutes

When?

- You want to quickly and securely build and host your applications without managing your own data center

Where?

- Region – A physical location around the world
- Availabity Zone – Group of one or more data center
- Edge Location / Point of Presence
- AWS Global Network

Who?

- Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—are using AWS in 190 countries around the world.

How?

- Select an AWS Region to start building or hosting you applications based on Compliance, Proximity, Cost, and Service Availability criteria.

How much?

- Pay-as-you-go pricing.
- Free tier to explore and try out AWS services.


Thank You
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Suggestion
Criticism
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